Species *Candidatus* Pseudopelobacter ferreus

Etymology

[fer're.us] **L. masc. adj.** *ferreus*, pertaining to iron

Nomenclatural type

Unknown

Description

Selective enrichment from freshwater at 20°C. Grows in anoxic freshwater medium in defined coculture with *"Ca.* C. masyuteum." Basis of assignment: digital DDH and ANI relatedness measures indicate a significant divergence at the genome to level from its closest *Pseudopelobacter* relatives. Belongs to proposed phylum Desulfurbacterota, Desulfuromonadia, *Geobacterales*, and *Pseudopelobacteraceae* Waite et al (2020). Identified from a water sample of Brownie Lake, Minneapolis, Minnesota, United States.

Classification

Bacteria » *Desulfobacterota* » *Desulfuromonadia* » *Geobacterales* » "Pseudopelobacteraceae" » "Pseudopelobacter" » *Candidatus* Pseudopelobacter ferreus

References

Effective publication: Lambrecht et al., 2021 [1]

Registry URL

https://seqco.de/i:681

References

1. Lambrecht et al. (2021). "Candidatus Chlorobium masyuteum," a Novel Photoferrotrophic Green Sulfur Bacterium Enriched From a Ferruginous Meromictic Lake. *Frontiers in Microbiology.* DOI:10.3389/fmicb.2021.695260